IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Dario NERI et al.	Examiner: V. Portner
Serial No.: 09/512,082	Group Art Unit: 1645

Filed: February 24, 2000

Title: SPECIFIC BINDING MOLECULES FOR SCINTIGRAPHY

#14/D
ON
1/9/02

REPLY

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the office action dated July 3, 2001, please amend the above-identifed appliction as indicated below and consider the remarks which follow:

IN THE SPECIFICATION:

Please replace the paragraph beginning at page 15, line 1 to line 11 as follows:

Residues subject to random mutation are Vk CDR3 positions 91, 93, 94 and 96 (yellow), and VH CDR3 positions 95, 96, 97, and 98 (blue). The Cb atoms of these side chains are shown in darker colours. Also shown (in grey), are the residues of CDR1 and CDR2, which can be mutated to improve antibody affinity. Using the program RasMol, which can be found on the World Wide Web at chemistry.ucsc.edu/wipke/teaching/rasmol.html, the structure of scFv were modeled from pdb file 1igm (Brookhaven Proten Data Bank; which can be found on the World Wide Web at ebi.ac.uk/pcserv/pdbdb.htm). (b) PCR amplification and library cloning strategy. The DP47 and DPK22 germline templates were modified (see text) to generate mutations in the CDR3 regions. Genes are indicated as rectangles, and CDRs as numbered boxes within the